![SLx logo]

HDSR 400

Free-to-Air HD Digital Satellite Receiver

USER GUIDE

Please read this user guide carefully before use

Customer Careline: 08457 573479
Local Rate - UK only

Technical Support: www.philex.com/support

Contents

Important Safety Instructions

Before installation please make sure you read these instructions carefully and observe the safety guidelines set out below

Avoid exposing your equipment to harsh conditions such as wet or damp places, high humidity, strong vibration, extremely high or low temperatures, strong sunlight and places that are very dusty.

Do not cover or place heavy objects on the receiver unit. Make sure there is sufficient clearance around the unit to allow adequate ventilation.

Never push objects into holes or ventilation slots.

To save power, switch off mains power or pull out the mains power plug when you are not using the equipment.

Don't continue to use this equipment if you have spilt liquids in it, if it is damaged in any way or if it does not work normally. Immediately unplug the equipment and get expert advice.

Pull the mains plug out of the wall socket during thunderstorms and disconnect the satellite antenna.

Cleaning: disconnect the mains supply and use only a lightly dampened soft cloth. Do not use chemical solvents or strong detergents as these may damage the cosmetic finish.

- To prevent electric shock, do not remove any cover.
- If anything goes wrong, don't try and fix it yourself, get a qualified engineer to look at it
- Do not expose this equipment to dripping or splashing
- Never put a naked flame source on or near the equipment
- This product is not a toy. Do not let young children play with the equipment.

Package Contents

Before installation, please check the items of the package. The package should contain the following items:
1 . DVB-S2 receiver x 1 pc
2. Remote control x 1 ps
3. Instruction manual x 1 pc
Your remote control (RCU) requires 2 x AAA batteries (Not Supplied)

The Satellite Dish

Your dish should be properly installed and azimuth and elevation must be precisely set up.
This unit works with DisEqC 1.2 & 2.0 on a compatible antenna positioner.
Ask your dealer for information.

This high definition (HD) DVB-S2 receiver is suitable for the reception of Free-To-Air digital satellite TV and radio programs and will provide top quality picture and sound when connected to your HDTV and to a properly aligned satellite dish and LNB.
This user's manual covers the installation of the receiver and the necessary steps to operate various features. It also explains in detail the special features built in to this receiver.

1.1 Main Features

- Fully DVB-S2 and DVB-S compliant
- Supports HDTV MPEG-2 & MPEG-4 H.264 decoding
- Supports DiSEqC 1.2 & 2.0
- 4 digit LED indicates channel number and time
- OSD language: English and other languages as per request
- Video format support 1080i, 720p, 576p, 576i
- Variable aspect ratio (4:3, 16:9) 4:3 Pan & Scan or Letter Box modes
- Easy-to-use menu system
- Easy channel installation
- Supports EPG
- Favourite Channel Edit
- Support teletext/subtitles/audio language selection
- Parental lock function
- Capacity for storing up to 5,000 channels
- Automatic software upgrade via satellite
- Ethernet for future use
- Full remote control function

1.2 Satellite Receiver Accessories

Your satellite receiver is supplied with remote control unit (RCU) and HDMI lead.

1.3 General Operation of Receiver

This manual contains full instructions for everyday operation of your receiver.

There are a series of user friendly menus displayed on screen when you turn on the unit. These menus will guide you through installation, channel organization, program viewing and many other functions.

All functions can be selected by using the buttons on the RCU supplied with the receiver, and some functions can also be selected by using the buttons on the front panel.

Please note that any software upgrades uploaded may change the functions on your receiver.

Should you encounter any difficulties with the operation of your unit, please find help from the Trouble Shooting section in this manual, or call our Helpline.
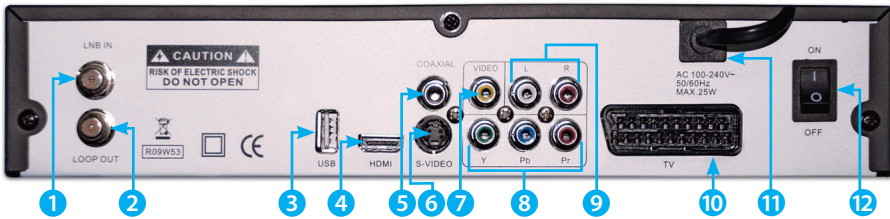
General Information

1.4 Front Panel

KEY	FUNCTION
STANDBY	Press for ON/Stanby mode
Menu	Press to enter main menu
OK	Press to confirm your selections
VOL+ / VOL -	Press to increase/decrease Volume
CH+ / CH-	Press to change Channel (up/down)

1.5 Back Panel

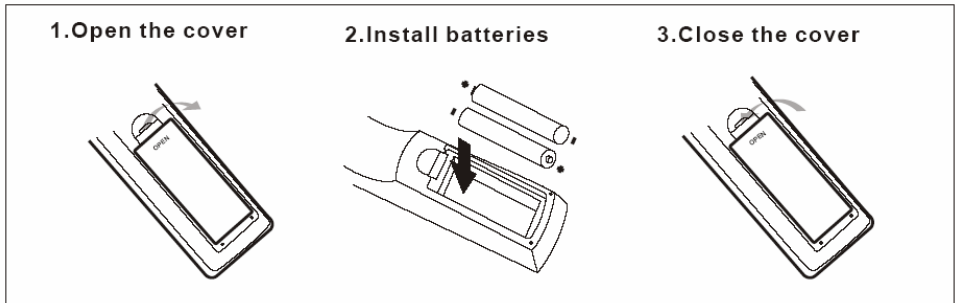| CONNECTION	FUNCTION
1. LNB IN	Connects to satellite antenna cable
2. LOOP OUT	RF loop through output to another receiver
3. USB	Connects USB 2.0 to hard drive or to PC for software updates
4. HDMI	Connects to the TV using an HDMI cable for HD viewing (760p & 1080i)
5. COAXIAL	Phono socket for Digital audio output connects to TV or HiFi
6. S-VIDEO	Video output for S-VHS equipment - (max resolution 576i)
7. VIDEO	Phono sockets for composite video output (max resolution 576i)
8. Y Pb Pr Output	Phono sockets for component video output (max resolution 1080i)
9. AUDIO L/R:	Phono sockets for standard stereo audio output
10. TV SCART	Connects to TV/VCR using SCART - (max resolution 576i)
11. Power Lead	AC~ 110-240V (Auto-selectable), 50-60Hz
12. Power Switch	Switches the mains power on/off

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1.6 Remote Control

KEY	FUNCTION
⏻	Standby ON/OFF
🔇	Mutes the sound
0-9	To select a channel by direct number input
🔴	To start recording a program
🟡	To stop recording a program
🟢	Rewind - to scan backward when playing a recorded program or time shift
🔵	Fast Forward - to scan forward when playing a recorded program or time shift
◄►	To increase / reduce volume, or move cursor left / right
▲▲	Channel change, or move cursor up / down
OK	To confirm the selected item in a menu screen or show the Channel list
MENU	To enter the main menu
EXIT	To return to previous screen / menu
EPG	Show EPG (Electronic Program Guide)
INFO	To display current program information
TV/RADIO	To switch between Radio and TV channels
FORMAT	Enter audio setting menu
ASPECT	To select screen format
AUDIO	Enter audio settings menu
FAV	To access your favourite channels list
RECALL	To switch from current to last channel viewed
PAUSE	To freeze the image during recording playback
SUBT	Yo switch between available subtitles
TTX	Teletext on / off

Remove the battery cover from the remote control and insert two AAA size batteries (not supplied) inside the compartment. Make sure the +/- polarity is as shown below and as marked in the battery compartment.

1.Open the cover   **2.Install batteries**   **3.Close the cover**

Caution
1. Keep batteries out of children's reach.
2. Don't attempt to recharge, short-circuit, disassemble heat or throw the batteries into the fire.
3. Always replace both batteries at the same time. Never mix new and old batteries or batteries of a different type.
4. If you don't intend to use the remote controller for an extended period, remove the batteries to prevent possible leakage and corrosion.
5. Do not drop, apply shock or step on the remote control.
6. Do not spill water on the remote control.

Note: If the receiver does not respond to the remote control at close range, you replace the batteries.

Using the Remote Control
1. To use the remote control, point it towards the front of the digital set top box.
2. The remote control has a range of up to 7 metres from the set top box at an angle of up to 60 degrees.
3. The remote control will not operate if its path is blocked.

Note: Sunlight or very bright light will decrease the sensitivity of the remote control.

To achieve optimum signal quality, please read this chapter carefully before setting up your receiver and select the most appropriate option depending on the equipment you have.

Before connecting equipment to your satellite receiver please check the instruction manual for each device.

Note: If you encounter any problems setting up your product, please contact the Helpline (details below).

The downlead from your satellite dish is connected via the F connector on the back of your receiver marked LNB IN .

There are three options for connecting your satellite receiver to your TV.

3.1 Connection to Dish and TV 1 via HDMI or YPbPr output and Audio output (for high definition viewing). For best results always use HDMI connection if available for HD and upscaled SD broadcasts, also for ordinary SD broadcasts as these will be upscaled by your receiver.

Connect the HDMI lead supplied to the HDMI socket on the back of your receiver marked HDMI and to any socket marked HDMI IN on the back of your TV.
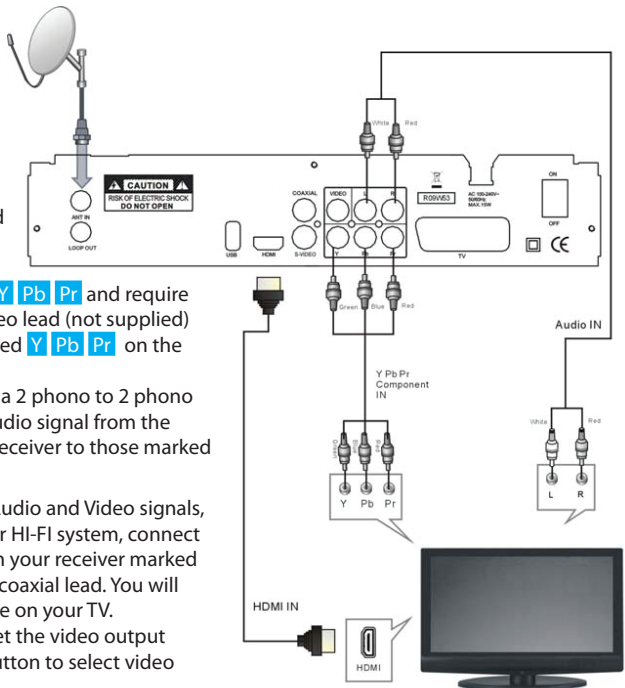
If you don't have an HDMI socket on your TV check for a group of 5 phono sockets on the back of your TV marked COMPONENT IN this is an alternative high definition connection.

The video phono sockets are marked Y Pb Pr and require a 3 phono to 3 phono component video lead (not supplied) to connect to the phono sockets marked Y Pb Pr on the back of your TV.

This type of connection will also need a 2 phono to 2 phono lead (not supplied) to carry a stereo audio signal from the phono sockets marked L R on your receiver to those marked AUDIO IN L R on your TV.

Note: HDMI connections carry both Audio and Video signals, if you want to play Audio through your HI-FI system, connect the Digital Audio Out phono socket on your receiver marked COAXIAL to your Hi-Fi using a digital coaxial lead. You will need to remember to mute the volume on your TV.

3). To ensure the best image quality, set the video output mode to HDTV, press the "FORMAT" button to select video resolution 1080i or 720p.
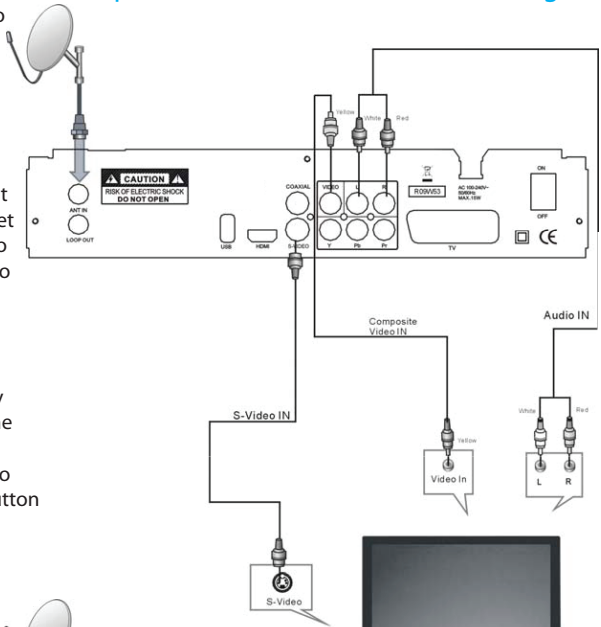
Receiver Connections

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3.2 Connection to Dish and TV via Composite Video or S-VHS for SD viewing

Connect a 3 phono lead (not supplied) to the VIDEO , L & R phono sockets on the back of the receiver and to corresponding Phono sockets on the back of your TV.
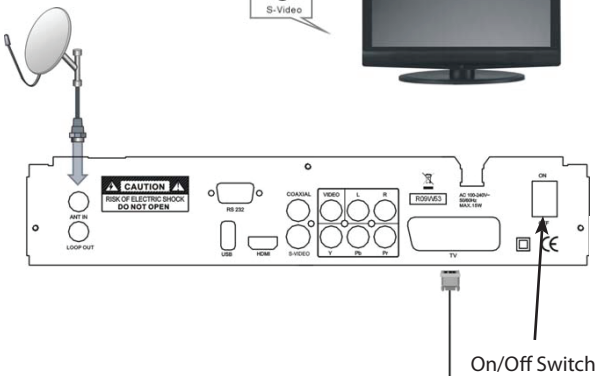
Alternatively use an S-Video lead (not supplied) to connect the S-VIDEO socket on your receiver to the S-VIDEO IN socket on your TV and use a 2 phono to 2 phono lead (not supplied) to carry a stereo audio signal from the phono sockets marked L R on your receiver to those marked AUDIO IN L R on your TV.

Note: Composite video will provide only standard definition output at 576i. Set the video output mode to RGB (for SCART connection) or CVBS (for composite video connection) by pressing the 'OUTPUT' button on the remote control unit.
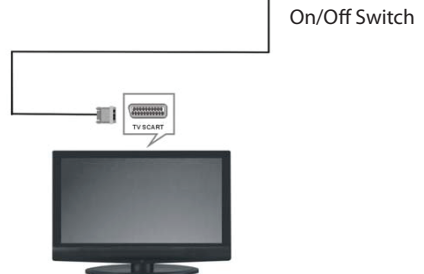
3.3 Connection to Dish and TV via SCART

Connect the SCART lead supplied to the SCART socket on back of receiver marked TV and to either of the SCART sockets on the back of the TV marked AV1 or AV2

3.4 Power Connection

Your satellite receiver is mains powered, insert the 3 pin plug into a standard UK 240V socket and switch on the socket and switch on the receiver using the switch shown below.
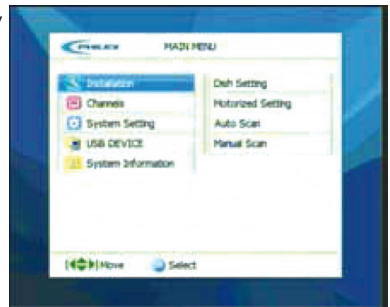
On/Off Switch

First time installation

The main menu consists of 5 menu items:

Installation
Channels
System Setting
USB DEVICE
System Information

1. Press ▲/▼ to scroll up and down on the menus.
2. When you have reached the menu you want, press the OK button to confirm your choice.
3. You can select menu items by using the ◄/► buttons.
4. If you want to save a change and return to the previous menu, press the OK button.
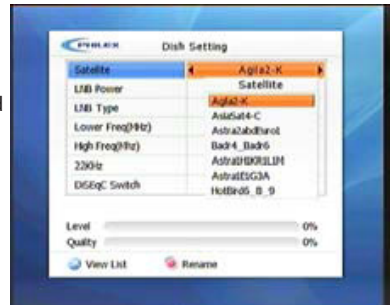5. If you want to exit the current menu, press the Menu button.

4.1 Switching on the unit for the first time
1. Ensure all connections have been made according to the instructions on the previous pages.
2. insert the 3 pin plug into a UK 240V socket and switch on the socket and the switch on the back of the receiver
4. You will see a prompt displayed on the screen indicating that NO Services and Channels exist.
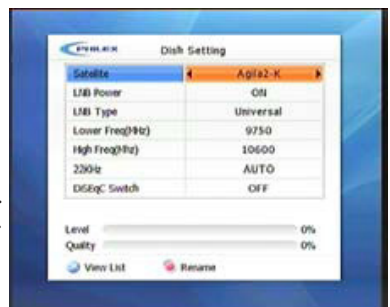
4.2 Dish Setting
1. Before searching for channels, press the MENU button to enter the main menu and then select Dish Setting.
2. Select the satellite you want to add with the ▲/▼ buttons and press ◄/► button to select an option.
3. Press the OK button to view the satellite list and then select the satellite you want to add, for English language channels this will normally be Astra 2 at 28.2 Degrees East Astra2abdEuro1
4. Press the OK button to confirm your selection.
5. You should not need to edit or change any of the items in the Dish Setting menu as they should all be preset to the default values highlighted below.
   The settings will only need to change if you need to fit a motorized system, non standard LNB or Satellite DiSEqC switches for multiple dish LNB feeds.
- LNB Power : ON Set LNB power ON or OFF using the ▲/▼ buttons
- LNB Type : Universal Set LNB type with the ▲/▼ buttons.
- Lower Freq (MHz): 9750 Can be input with RCU numeric keys.
- High Freq (MHz): 10600 Can be input with RCU numeric keys.
- 22 kHz: AUTO Set the path of 0/22KHz switch box in On, Off or Auto mode.
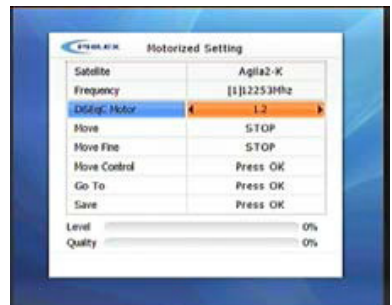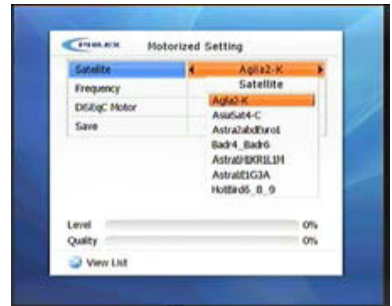- DiSEqC : OFF Set DiSEqC switch ON or OFF.

6. If you wish you can change a satellite name, press the Red button and enter text characters using the number keys, press the Exit key to leave this menu.

4.3 Motorized Setting (If you have a fixed dish, ignore this section)

You need to position your dish correctly for reception of the best signal, also consult the manual which came with your DiSEqC/USALS Motor. When the Motor is set to DiSEqC 1.2 in the Antenna Setting menu.

1. Select Motor Setting using the ▲/▼ buttons and press the OK button.

2. Select a satellite using the ▲/▼ buttons and press the OK button. The Satellite list will appear, select the satellite using the ▲/▼ buttons and press OK, for English language channels this will normally be Astra 2 at 28.2 Degrees East [Astra2abdEuro1] The Motorized Setting menu indicates the selected satellites.

3. Select Frequency using the ▲/▼ buttons and press the OK button. To view the frequency list, press the OK button. Select the frequency using the Arrow ▲/▼ buttons and press the OK buttons. Motorized Setting menu indicates the selected frequency.

4. Select the DiSEqC Motor and the set the motor to DiSEqC 1.2 or USALS by using the ◄/► buttons, then the Motor setting will be displayed as the figure shown on the right: consult the manual which came with your DiSEqC/USALS Motor, for additional information, In the USALS menu set your Antenna Longitude using the OK button to toggle between East and West , Enter your Antenna Latitude using the OK button to toggle between North and South , this will normally need to be set to North , this information can be found on any good Ordinance Survey Map or at www.dishpointer.com
The dish changes its position in the direction of the required satellite (depending on the type of motor, the dish changes its position to the default-direction of satellite for a maximum of 28 satellites).

5. Press the OK button on the Save Current Position menu. Current position of the motor is saved according to the selected satellite.

4.4 Channel search

After setting the Dish, perform a 'Satellite Scan'. This function, searches for all availabe channels and saves them to memory.

1. Press the Menu buttons to enter the main menu and then set the scan mode you want `Auto Scan` or `Manual Scan`. `Auto Scan` is recommended, then press OK to confirm.
2. Select the satellite(s) you want to search with the ▲/▼ buttons and then press OK to confirm, a tick icon will appear on the right of the Satellite name, for English language channels with a static dish this will normally be Astra 2 at 28.2 Degrees East [Astra2abdEuro1]

Search Type: `All`, `Free` and `TV`.
You can select `All` - Free to view and Pay to view TV and Radio channels are downloaded
`Free` - Free to view TV and Radio are downloaded) or
`TV` (Free to View and Pay to View channels are downloaded) to selected satellite(s).

`Network Search`: Allows searching of additional related feeds from the network information table. To reduce the number of dead channels (Temporary Feeds and Data) this is normally set to `OFF`.

3. Move the cursor to the Scan section at the bottom of the menu select `Press OK` and then press the `OK` Button to proceed with the Auto channel scan. The channels relevant to the search type selected will be downloaded.

4. Press the Exit button to exit from the menu and then with the ▲/▼ buttons select the desired channel. Now you can watch TV or listen to a Radio program.

Note: Now you have completed all the steps needed for watching programs. If you did not see any programs listed after finishing your setup, please call the Helpline shown at the bottom of the page.

5.1 Changing Channels - 1. Press the numeric buttons 0-9 on the remote control to select the channel number you want. 2. Press the ▲/▼ button on the remote control or the front panel to change the channels up/down. 3. Press the RECALL button to view the last viewed channel.

5.2 Volume Control - Press the ◄/► buttons on the remote control to increase/decrease the volume.

5.3 Mute - Press the MUTE button once to temporarily cut off the sound output, press again to cancel.

5.4 Audio Language and Audio Mode - Press the AUDIO button and press the ◄/► and ▲/▼ buttons to select from the available audio languages and to selct STEREO , RIGHT or LEFT audio mode. NOTE: the available audio languages depend on the program providers.

5.5 TV/Radio Mode - Press the TV/RADIO button to change the program list between TV and Radio.

5.6 View Program Information - 1. Press INFO button to view the detailed information of current program being viewed. 2. Press the INFO or EXIT button to exit.

5.7 Subtitles
Press the SUBT button to switch subtitle on or off.
NOTE: the subtitles available depend on the program providers.

5.8 Channel List
To display the channel list, press the OK button.

5.9 View teletext
1. Press the TTX button to open a teletext page (the teletext transmitted depends on the program providers), press again to exit.
2. Press the 4 colour buttons and numeric buttons (0-9) to assist the operation.
3. Press the ▲/▼ buttons button to page up and down.
4. To enter a page number use the numeric buttons.

5.10 EPG (Electronic Programme Guide)
The EPG menu displays current and future TV and Radio broadcast information, the amount of detail shown depends on the channel providers. Press the EPG button to access the EPG menu, the current channel programme information is displayed to the right and stored channels are listed to the.
Press the ◄ button to enter the channel listings and the ▲/▼ buttons to select different channels. Press the ► button to enter the programme schedule and press the ▲/▼ buttons to move up and down. Press the RED button to view detailed programme information (dependant on programme providers). Press the GREEN button to view previous day's program schedule (if available). Press the BLUE button to view next day program schedule (if available). Press the EXIT button to exit the EPG menu.
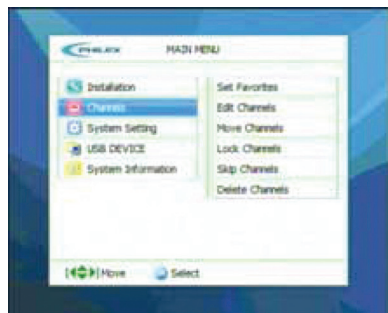
6. Channel Editing
You can modify the TV and radio programs using these items:
Favorite , Edit , Move , Lock , Skip , Delete channels.
Press the MENU button to enter the main menu then select
the Channels by pressing the ▲/▼ buttons and press
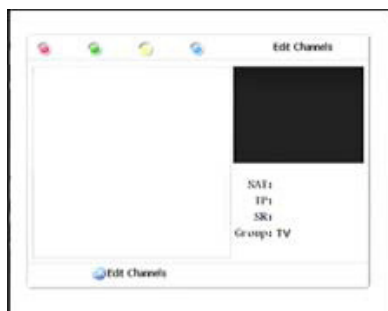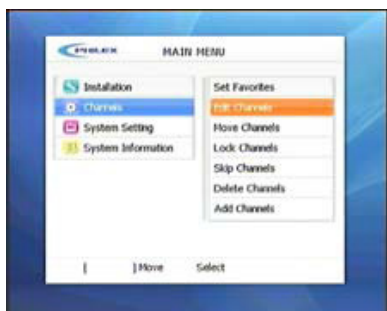the OK button to access the Channel Editing menu.

6.1 Favourites
1. Press the ► button and then select the Set Favorites item.
2. After confirming your selection by pressing the OK key, you
   will enter the submenu to allow you to select the favorite
   groups. Here you can rename the group name for your
   convenience to News, Entertainment and Movies etc. by pressing the Red button.
3. Select one of the eight groups with the ▲/▼ buttons, then press OK to confirm.
4. The channels will be listed on the left window and select the favorite channel by pressing the OK button
   to set it as Favorites. It will show a ♥ icon on the right side of the selected channel.

5. Press Exit , the receiver will ask you if you want to save the setting or not. Press the ◄/► buttons to select
   the Yes , No or Cancel option and then Press OK to confirm.

6.2 Edit Channel
1. Press the ▲/▼ buttons to select Edit and press the OK button to enter the submenu for editing channels.
2. All the channels will be listed on the left window. Select the channel you wish to edit and then press OK
   button to edit the channel you want to modify using the ◄/►, ▲/▼ buttons.

6.3 To Move Channel

You can organize the number or sequence of the channels by using the ◄/►, ▲/▼ buttons,
select the channel you want to move by pressing the OK Button, then press the INFO and ▲/▼ buttons to
move the cursor to the point you want the channel to be stored and
then press the OK button to store at the new location.

6.4 Channel Lock

This menu enables you to prevent children from viewing programs unsuitable for their age, select the
channels using the ▲/▼ buttons a lock symbol will appear at the righthand side of the channel name then
press the Exit button, the receiver will ask you if you want to save the setting or not. Press the ◄/► buttons
to select the Yes , No or Cancel option and then Press OK to confirm.
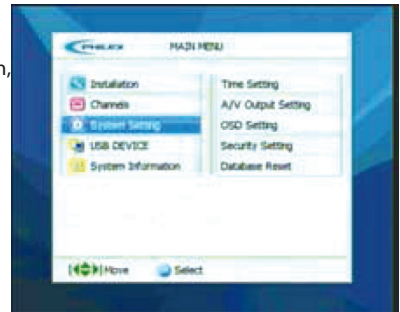
6.5 To Skip channel

You can skip any unrequired channels while changing channels on remote control by selecting the channels
using the ▲/▼ buttons an Arrow symbol will appear at the righthand side of the channel name then press
the Exit button, the receiver will ask you if you want to save the setting or not. Press the ◄/► buttons to
select the Yes , No or Cancel option and then Press OK to confirm.

6.6 To Delete channels

You can delete channels from the channel list by selecting the
channels using the ▲/▼ buttons an X symbol will appear at the
right hand side of the channel name then press the Exit button,
the receiver will ask you if you want to save the setting or not.
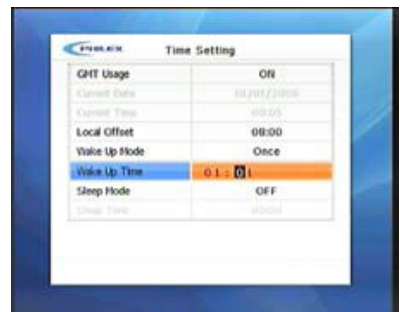Press the ◄/► buttons to select the Yes , No or Cancel option
and then Press OK to confirm.

7. System Setting

The System setting menu has five items which include
Time Setting , A/V Output Setting , OSD Setting ,
Security Setting , and Database Reset . These can be modified
by using the ◄/►, ▲/▼ buttons

7.1 Time Setting

You can set system time using this menu. Press the ▲/▼ buttons to select the Time Setting and press the OK
button to enter the Time Setting menu.

7.2 A/V output Setting

You can set the AV items: Video Format , Screen Format , DisplayFormat , SPDIF output and Scart Mode , modify these settings to be compatible with your TV display and any other equipment you may have connected to this satellite reciever Press the ▲/▼ buttons to select the AV Setting and press the OK button to enter the AV setting menu.

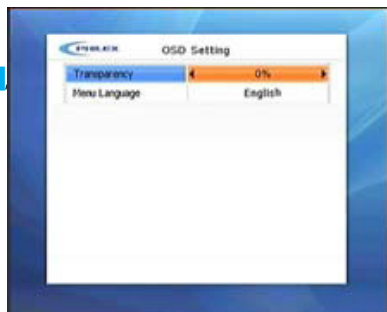Video Format : Set the video resolution to 480i , 576i , 576p , 720p and 1080i . (CVBS and S-Video output do not support higher resolution than 576i; you can also press the FORMAT button on remote control to switch between different resolutions.)

Screen Format : To set the image display aspect ratio to 16:9 (most modern LCD Screens) or 4:3 (Older CRT screens). Display Format : To set the screen image format in 4:3 Pan Scan , 4:3 Letter Box or Full Screen .
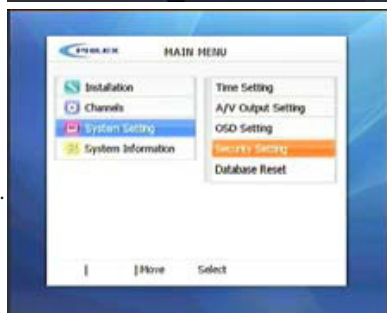
SPDIF output: Turn ON/OFF the SPDIF output.

Scart Mode : To set the scart in CVBS (Composite Video) and RGB (Red, Green And Blue) mode

7.3 OSD Setting

Transparency : Set a level of transparency for the OSD (On Screen Display) menu.

Menu Language : Set the menu language you want. The default language is English.

7.4 Security Setting

This menu allows you to set Receiver Lock , Install Lock , Channel Lock , Age limit , New Password and Verify Password .

Receiver Lock : ON , sets a lock on your receiver requiring a password when your receiver is switched on.
Install Lock : ON ,Locks installation settings, requiring a password when you enter the Installation Main Menu.
Channel Lock : ON , locks channel editing requiring a password when you enter the Channel Editing Menu.
Age limit : This allows you to set the age for the parental lock to protect children from viewing programmes unsuitable for their age group.
New Password : Allows you to change your password.
Verify Password : To verify the new password you have input.

Note: The default Password/Pin is '0000'. Write your new Password/Pin here _____ or somewhere safe where you can find it easily.
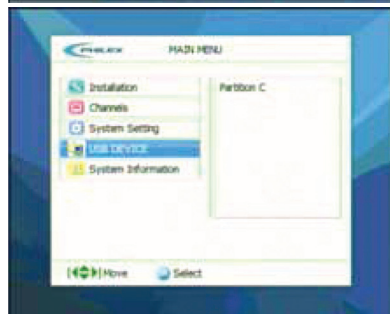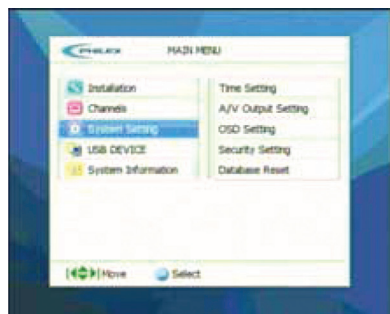
7.5 Database Reset

Return all settings to the original factory default settings.
parameters by using this function.

Press the MENU key. Select System Setting with ▲/▼ buttons
and press OK . Select Database Reset with ▲/▼ buttons and
press OK .

When the menu asks you to enter the PIN code, if you are sure
you want to reset, enter the code using the Number buttons.
The default pin is 0000.

Please Note: All channel listings information will be deleted if
you select Database Reset .

8. USB Device

Please Note: This menu will be only be available when your
receiver has detected a suitably formatted (FAT 32) USB 2.0
memory device such as an external hard drive.

To be detected your memory device should be plugged into
the USB socket on the back of the receiver and switched on
before you switch on your satellite receiver.

8.1 To Record a Programme

Make sure that your memory device has been plugged into
the USB socket on the back of the receiver and switched on
before you switch on your satellite receiver.

When you wish to record a programme that you are currently
watching, press the record, RED button on the remote control,
a recording time setting will appear at the top of screen.

To stop recording, press the YELLOW button and select YES
when the prompt Want to stop recording? appears.
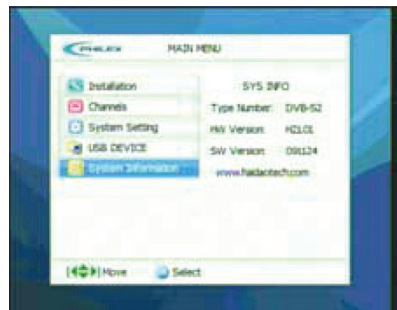
8.2 To Play or View a Recorded Programme

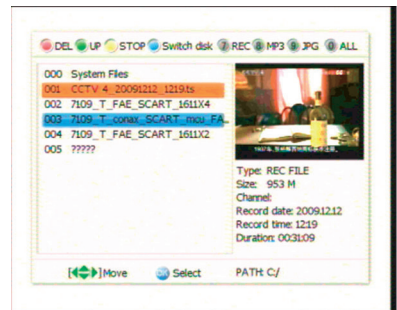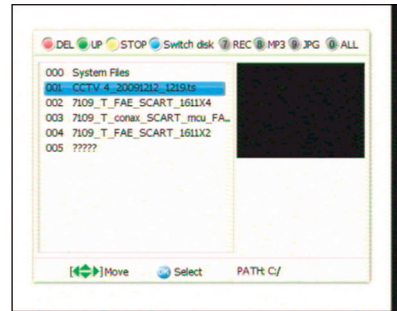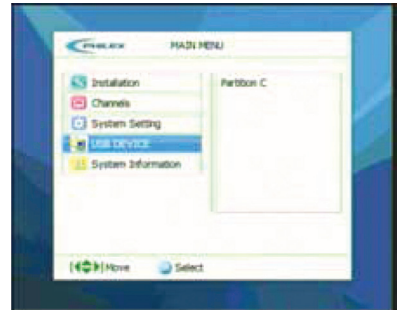To view and browse recorded programmes select the
`USB DEVICE` menu. Use the ► button to select `Partition C`.

Press the `OK` button to enter Partition C, use ▲/▼ buttons to
select the recorded programme, then press `OK` to play the
recording, see the second screen down on the right.
To view full screen press `OK` again.

While the recording is playing, a prompt will be displayed see
the third screen down on the right. To return to the USB DISK
menu, select `YES` and press `OK` to confirm.
Press the `RECALL` button to return to upper folder level.

While in the `USB DEVICE` and `Partition C` menus the following
key actions are available:
`RED` button (DEL): Press to delete the selected file.
`GREEN` button (UP): Press to return to the previous menu.
`YELLOW` button (STOP): Press to stop playing the recording.
`BLUE` button (Switch Disk): Press to switch the disk partition.
`7` button (REC): Press to display just programme recordings
stored on your hard drive.
`8` button (MP3): Press to display just MP3 files stored on your
hard drive.
`9` button (JPG): Press to display just JPEG files stored on your
hard drive.
`0` button (ALL): Press to display all files stored on your
hard drive.

9. System Information

Enables you to view the software version information of
this unit.
Press the ▲/▼ buttons to select the System
Information and press the OK button to display the
information.

TRANSMISSION STANDARDS	
Connector	IEC 169-24,female
Input Frequency	950MHz - 2150MHz
Signal Input level	-65dBm to –25dBm
LNB Supply	14/18V max. 400mA
Band Switch control	22 KHz
DisEqC	Version 1.2 Compatible
DEMODULATOR	
Frontend	QPSK / 8PSK
Symbol rate	2Msps -45Msps
SCPC / MCPC	SCPC and MCPC Capable
Spectral inversion	Auto conversion
VIDEO DECODER	
MPEG2	MPEG2 MP@HL/ML
MPEG4	MPEG4 AVC H.264 HP@Level 4
Aspect ratio	4:3 or 16:9
Active pixels	1920x1080i, 1280x720p, 720x576p, 720x576i
AUDIO DECODER	
MPEG Types	MPEG-1/2/3, AC-3, AA
CONNECTORS	
F connectors x 2	LNB input x1 / LNB loop out x1
SCART socket x1	SCART standard AV out to TV / VCR
HDMI socket x1	HD AV out to HDTV / DVD recorder
Phono sockets x 3 Y/Pb/Pr	Component HD video out to LCD / Plasma
S-Video socket x1	S-Video out TV / VCR
Phono socket x 1	Composite standard AV out to TV / VCR
Phono sockets x 2	Stereo Audio out Left and Right to Hi-Fi / TV / VCR
Coaxial socket x 1	S/PDIF Digital Stereo Audio out Left and Right to Hi-Fi
POWER SUPPLY	
Input voltage	100V-240V~50/60Hz
Power consumption	25W (operating)
PYSICAL SPECS.	
Unit Dimension	300(W) X 230(D) X 58 (H) mm
Unit Net Weight	3.5Kg
Operating Temperature	5℃ - 40℃
Storage Temperature	-40℃ - 65℃

PROBLEM	POSSIBLE CAUSES	WHAT TO DO
No display on front panel	Powercord is not plugged in	Check powercord is plugged into power socket/Check switch on back of receiver is switched on/Try plugging into another outlet/Check plug fuse
No sound or picture, but the front panel red light is ON	The unit is in standby mode	Press the standby button
No sound or picture	The satellite dish is not pointing at the satellite	Adjust the dish/Check the Signal Level in the Antenna Setup menu
	No signal or weak signal	Check the cable connections, LNB and other equipment connected between the LNB and receiver/ Check brightness & volume level on TV/Check if channel is currently on air. (BBC3 and BBC4 transmitted after 7pm, CBBC and CBeebies before 7pm)
Bad picture/Blocking error	The satellite dish is not pointing at the satellite	Adjust the dish
	Signal is too strong	Connect a signal attenuator to the LNB
	Satellite dish is too small	Change to a larger dish
	LNB noise factor too high	Change to an LNB with lower noise factor
	The LNB is faulty	Change the LNB
No picture (Video)	The system is connected by SCART cable and TV is not in AV/EXT mode	Select AV/ EXT mode on the TV Consult the manufactures instruction manual
No sound (Audio)	Audio settings incorrect	Press the audio button to check if channel has audio in the language you require./ Mute is on/loose audio connections
The Remote Control is not working	Batteries inserted incorrectly/ Exhausted	Remove and reinsert batteries/Change the batteries
	RCU is aimed in the wrong direction	Aim the tip of the RCU at the unit, and make sure there are no obstacles between the front panel and RCU.

CE

Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.